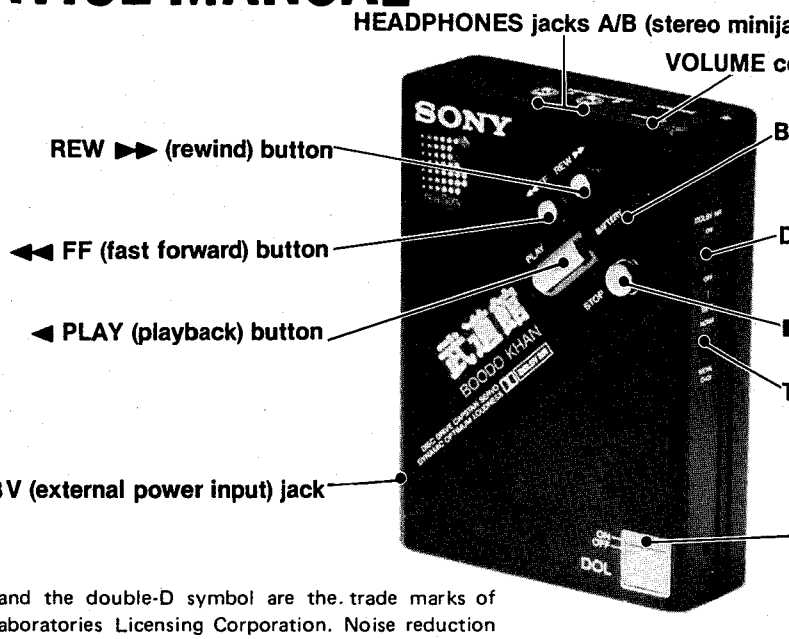
AL 14 DD-100

SERVICE MANUAL

Refer to DR-S100L Service Manual issued previously for information of headphones supplied with this set.

US Model
Canadian Model
AEP Model
UK Model



'Dolby' and the double-D symbol are the trade marks of Dolby Laboratories Licensing Corporation. Noise reduction system manufactured under license from Dolby Laboratories Licensing Corporation.

武道館
BOODO KHAN

SPECIFICATIONS

Similar Mechanism set	WM-DD

Tape track 4-track 2-channel stereo

Fast winding time
Approx. 2 min. with Sony C-60 cassette

Frequency response (DOLBY NR OFF)
30–15,000 Hz (with the TAPE selector set to CrO_2/METAL)
30–15,000 Hz (with the TAPE selector set to NORM)

Wow and flutter ±0.13% (DIN)
0.08% WRMS (NAB)

Power output (DOL switch ON)
12 mW + 12 mW at dc operation
load impedance 63 ohms

Power requirements
3 V DC
Two IEC designation R6 batteries (size AA)
DC IN 3 V jack accepts:
Sony AC-D2 AC power adaptor (optional)
available in the United Kingdom for use on 240 V AC, 50 Hz
available in European countries for use on 220 V AC, 50 Hz
available in other countries for use on 110, 120, 220 or 240 V AC, 50/60 Hz
Sony EBP-500 battery case (optional)
for use on two IEC designation R20 batteries (size D)
Sony DCC-70 car battery cord (optional)
for use with 12 V car battery

Battery life (hours)

Battery	Tape playback
Sony SUM-3(NS) New Super	Approx. 4
Sony Eveready AM3 alkaline	Approx. 9

For maximum performance we recommend the use of alkaline battery.

Dimensions: Approx. 79.0×109.2×29.8 mm (w/h/d) ($3\frac{1}{8}\times4\frac{3}{8}\times1\frac{3}{16}$ inches)
not incl. projecting parts and controls
Approx. 79.7×110×33.2 mm (w/h/d) ($3\frac{1}{4}\times4\frac{3}{8}\times1\frac{5}{16}$ inches)
incl. projecting parts and controls

Weight: Approx. 300 g (10.6 oz)
incl. batteries, not incl. other accessories

FEATURES

- **The DOL* function** creates a concert hall atmosphere.
- **Disc Drive system** assures accurate and stable tape transport, greatly reducing wow and flutter.
- **Dolby NR system** reduces tape hiss noise during playback.
- **Tape selector** enables optimum playback with standard tapes as well as high-performance metal tapes.
- **Two headphone jacks** allow two persons to listen to the tape playback at one time.

*Dynamic Optimum Loudness

STEREO CASSETTE PLAYER

SONY®

TC

MICROFILM

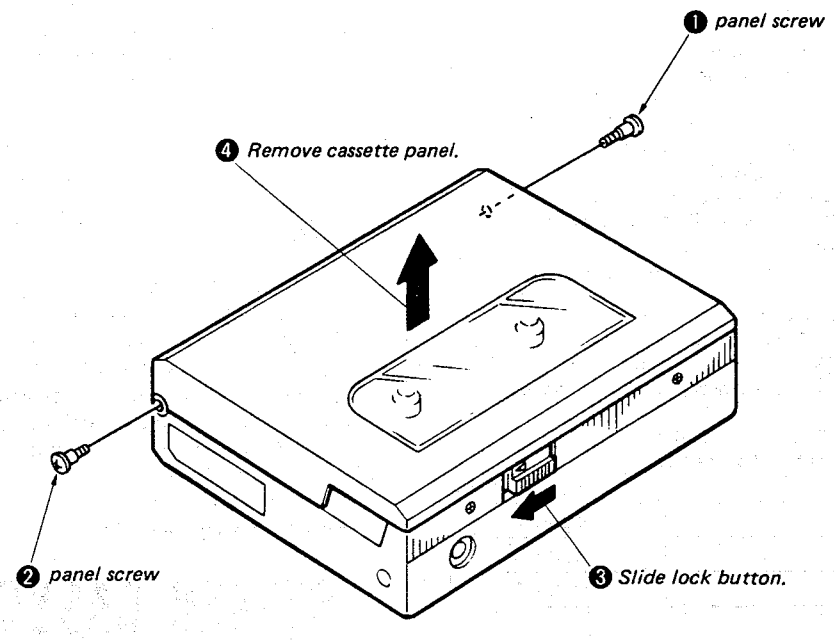
SECTION 1
MECHANICAL OPERATION

MECHANICAL OPERATION in this set is the same as that of model WM-DD, so refer to WM-DD service manual previously issued for MECHANICAL OPERATION.

SECTION 2
DISASSEMBLY

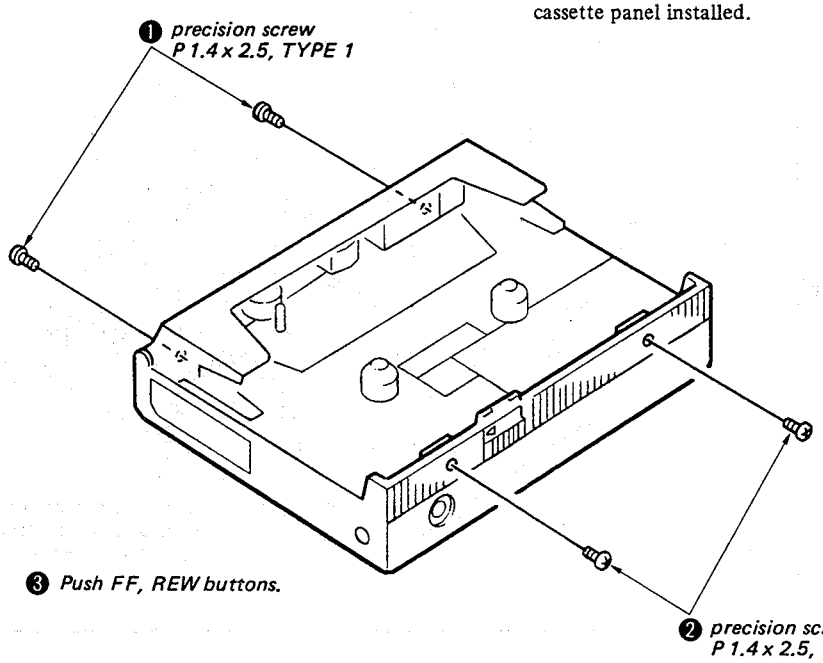
Note: Follow the disassembly procedure in the numerical order given.

Cassette Panel



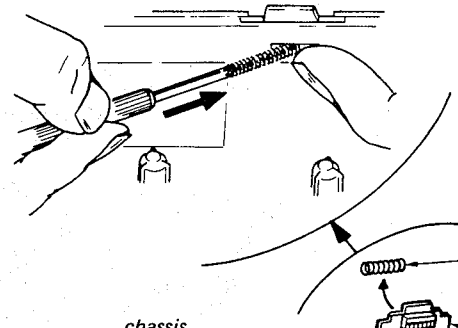
Control Panel

Note: Control panel can be removed with cassette panel installed.



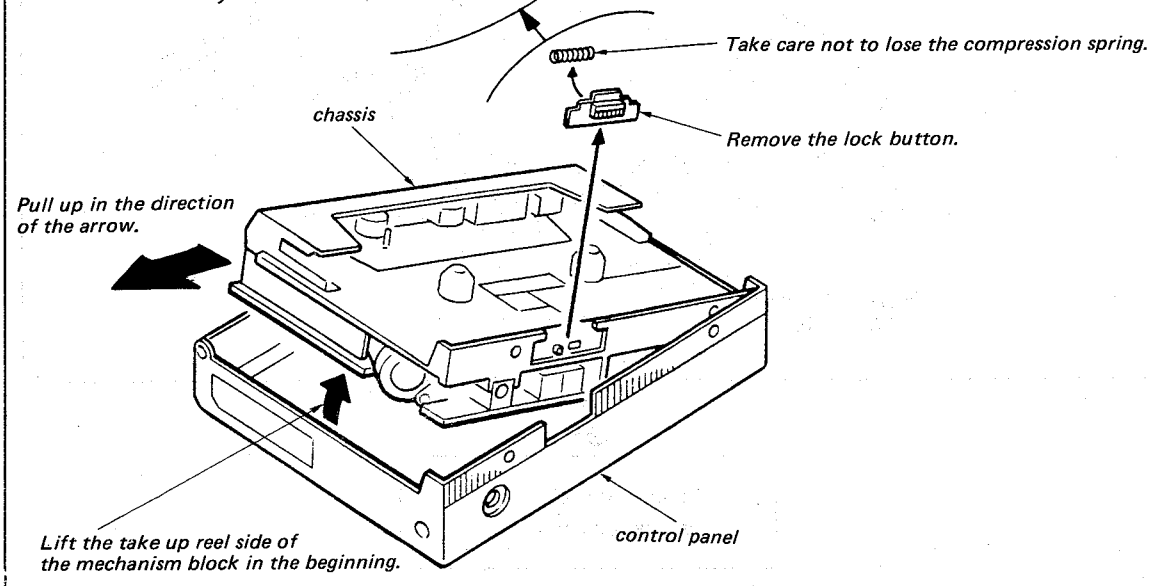
Chassis

(Installing the compression spring)

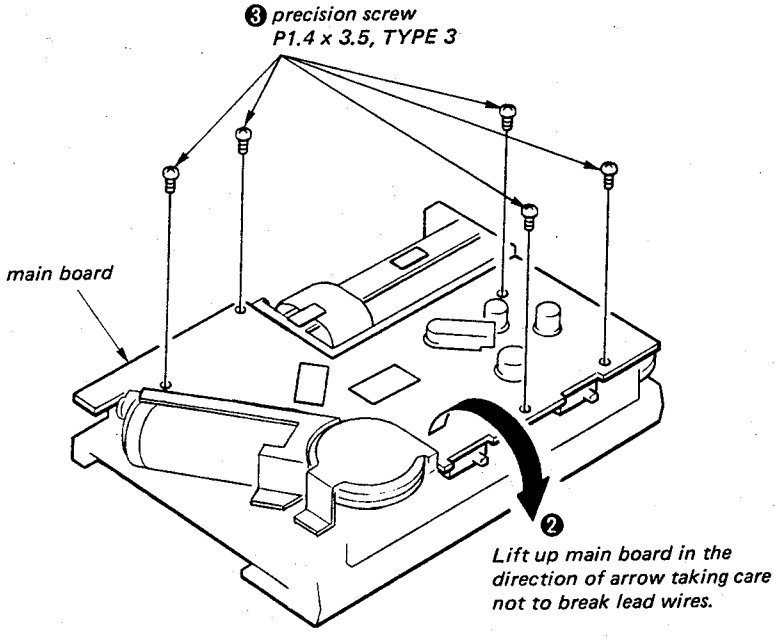


When reassembling, put chassis into control panel after setting the buttons with the rear side of control panel turned up.

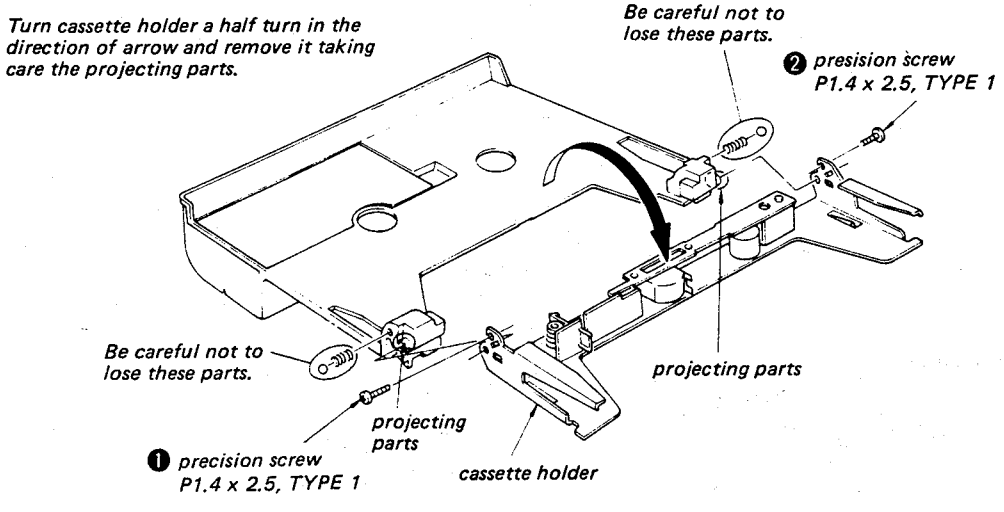
* Before setting the buttons to control panel, set the position of each buttons as follows.
  DOL : OFF
  DOLBY: OFF
  TAPE : METAL


Take care not to lose the compression spring.
chassis
Remove the lock button.
Pull up in the direction of the arrow.
Lift the take up reel side of the mechanism block in the beginning.
control panel

Main Board

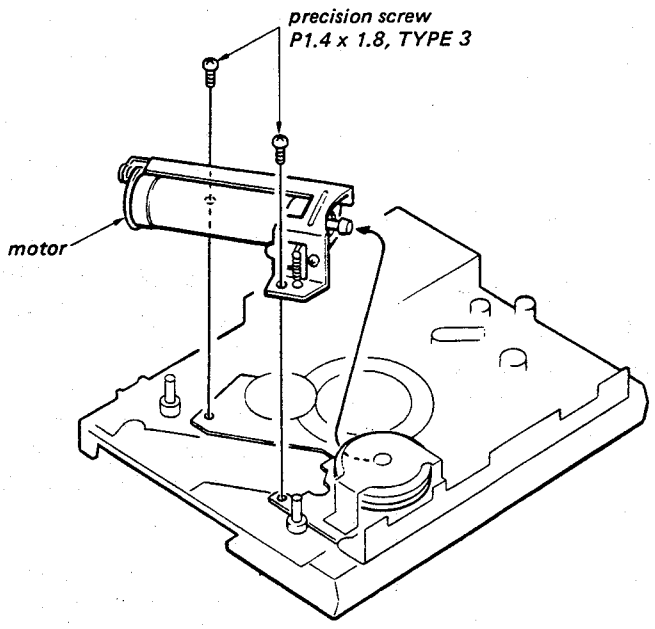

❸ precision screw
P1.4 x 3.5, TYPE 3
main board
❷
Lift up main board in the direction of arrow taking care not to break lead wires.

Cassette holder

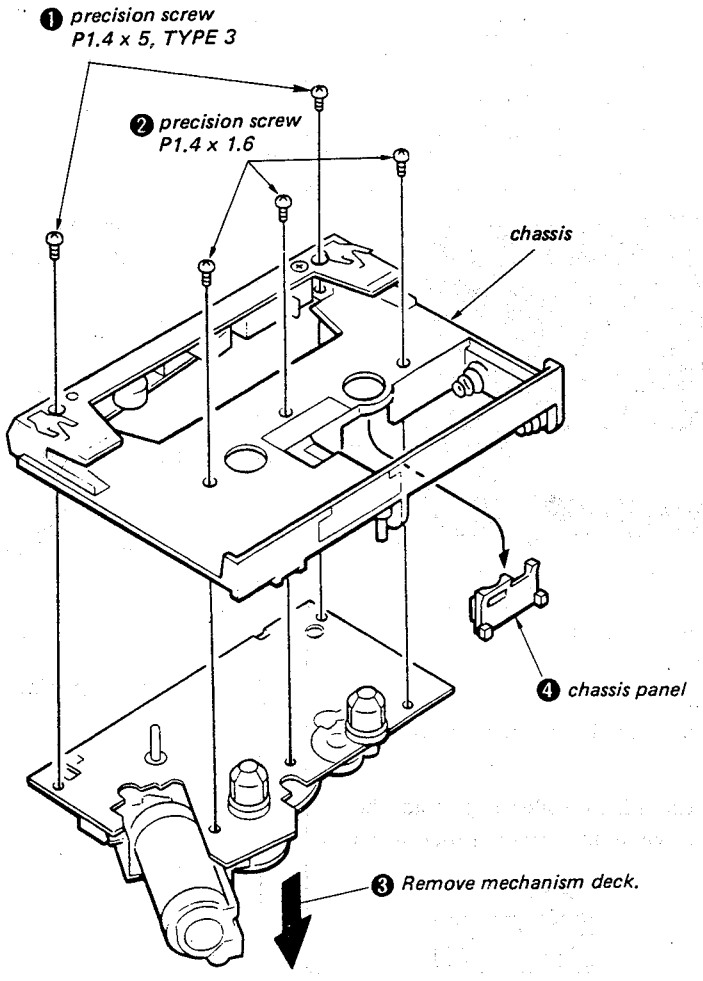

Turn cassette holder a half turn in the direction of arrow and remove it taking care the projecting parts.
Be careful not to lose these parts.
❷ presision screw
P1.4 x 2.5, TYPE 1
Be careful not to lose these parts.
projecting parts
projecting parts
❶ precision screw
P1.4 x 2.5, TYPE 1
cassette holder

Pinch roller and head can be replaced.

Motor



Chassis



SECTION 3
ADJUSTMENTS

PRECAUTION

1. Clean the following parts with a denatured-alcohol-moistened swab:

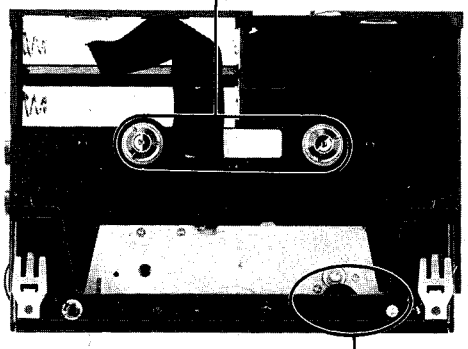
   playback head pinch roller
   capstan
2. Demagnetize the playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

3-1. MECHANICAL ADJUSTMENT

Torque Measurement

Perform with 2.5 V DC power.

	Torque meter	Meter reading
FWD	CQ-102C	22 – 46 g·cm (0.3 – 0.63 oz·inch)
FF, REW	CQ-201B	More than 65 g·cm (More than 9.04 oz·inch)
Back Tension	CQ-102C	1 – 3.5 g·cm (0.01 – 0.05 oz·inch)
Tape Pulling Force	CQ-403	More than 80 g·cm (More than 11.12 oz·inch)



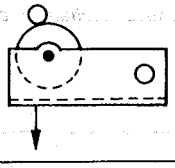
Pinch Roller Pressure Adjustment

– Playback Mode –

1. Pull the spring scale in the direction shown by the arrow.
2. Slowly return the pinch roller and read the spring scale just when the pinch roller starts rotating.

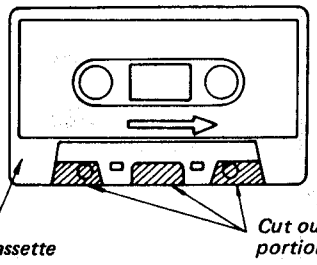
Specification:

170 ± 20 g (5.3 ~ 6.7 oz)

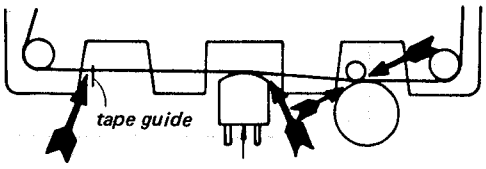


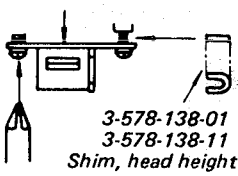
Head Height Adjustment

1. Prepare an adjustment cassette as shown below.

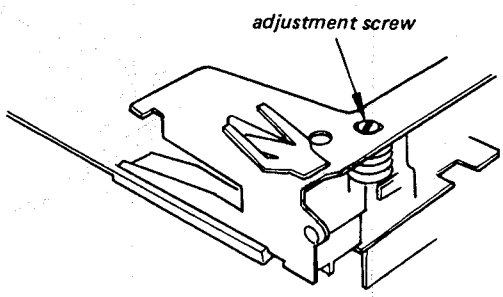


2. In playback mode and viewing from the front, adjust the head heights to eliminate tape curl and tape twist at portions shown by the arrow.



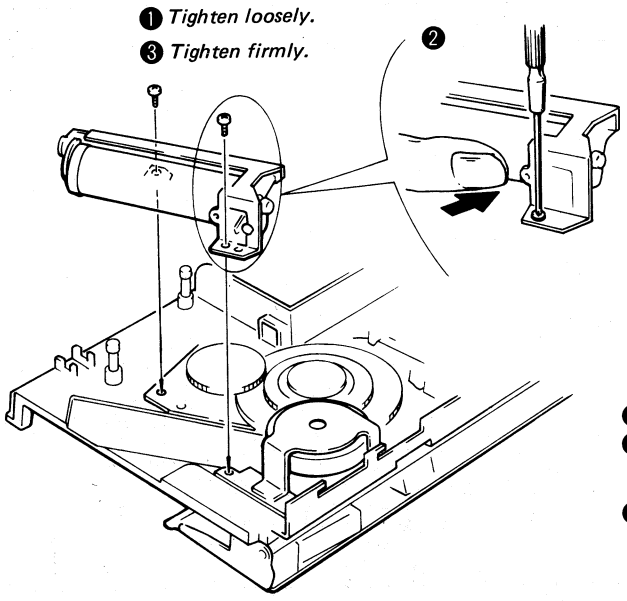


3. If necessary, adjust the height of the tape-guide by turning the adjustment screw.



4. Apply locking compound on adjustment screw.

1. Motor section installation



❶ *Tighten screw loosely.*
❷ *Tighten screw while pressing the motor section lightly in the direction of the arrow.*
❸ *Tighten the screw.*

2. Wow & flutter and motor position

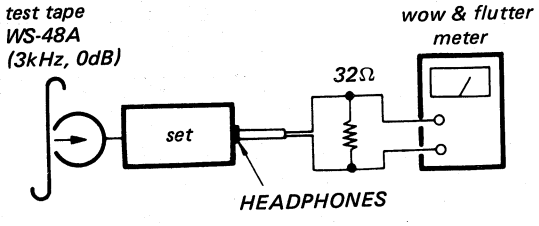
1. Adjust with the adjustment screw so that rotor thrust play is within 0.1mm. (When confirming play, press motor down so that the motor pulley and rotor rubber section do not touch.)
2. Wow & flutter adjustment

Setting:

Power supply voltage: 2.5V
Tape: Adjust by using end portion of tape.
VOLUME control: mechanical mid
TAPE SELECT switch: NORM
DOLBY NR, DOL switch: OFF

Procedure:

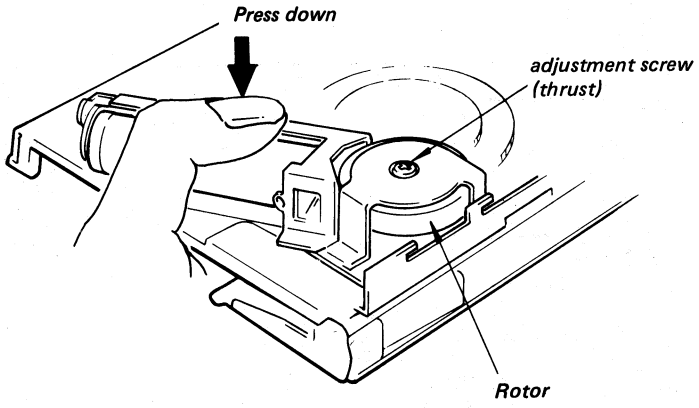
① Mode: playback

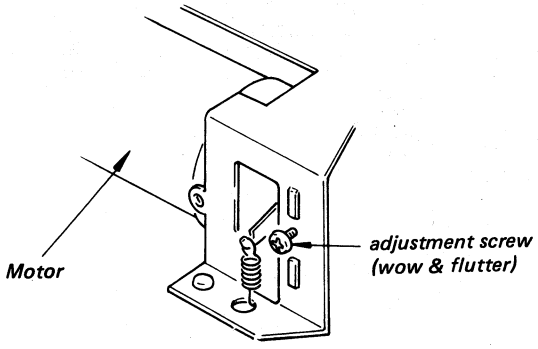


Turn the adjustment screw so that the wow and flutter meter reads minimum (less than 0.12% W·RMS).

② At 2V power supply voltage, confirm normal FWD operation.

③ When ① and ② are not satisfied, repeat adjustment again starting with "Motor Section Installation".





3-2. ELECTRICAL ADJUSTMENTS

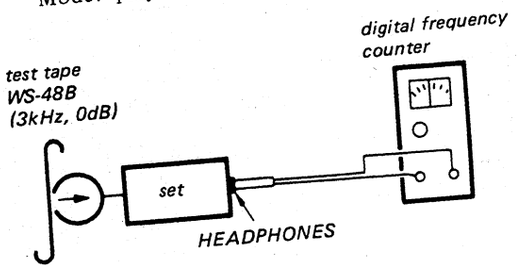
Tape Speed Adjustment

Setting:

VOLUME control: mechanical mid
TAPE SELECT switch: NORM
DOLBY NR/D.O.L switch: OFF

Procedure:

Mode: playback

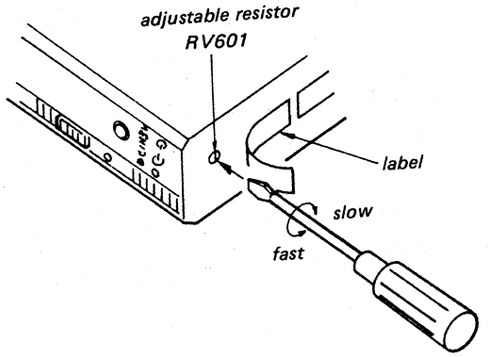


Specification:

Digital frequency counter
2,990 – 3,010Hz

Adjustment Location:

– main board –



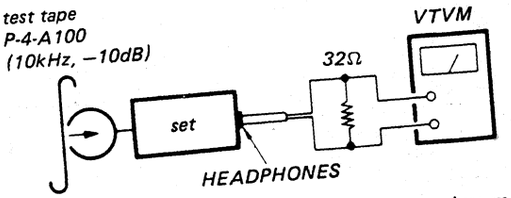
Playback Head Azimuth Adjustment

Setting:

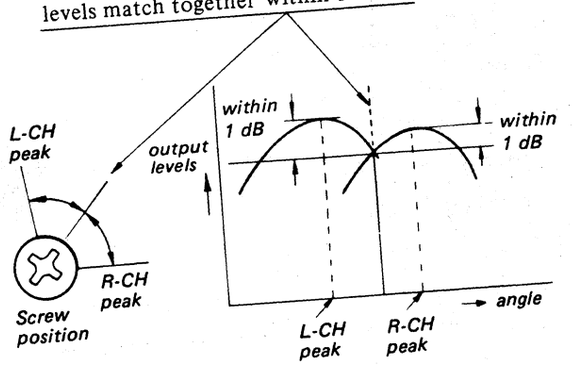
VOLUME control: mechanical mid
TAPE SELECT switch: NORM
DOLBY NR/D.O.L switch: OFF

Procedure:

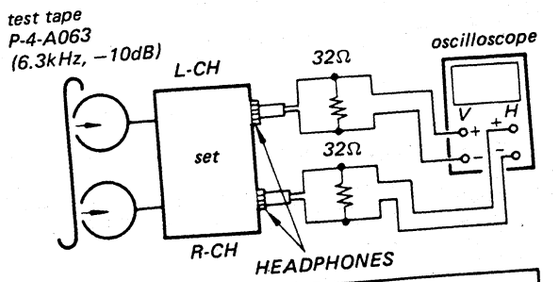
1. Mode: playback

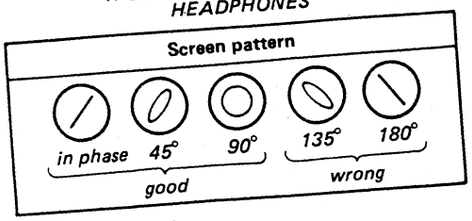


2. Turn the adjustment screw for the maximum output levels. If these levels do not match, turn the adjustment screw until both of output levels match together within 1 dB.

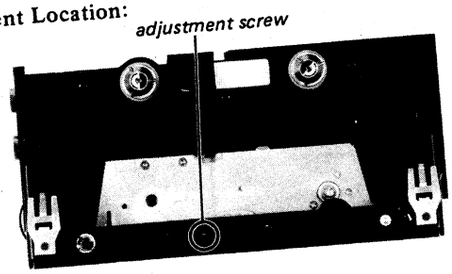


3. Phase Check
Mode: playback





Adjustment Location:



Playback Level Adjustment

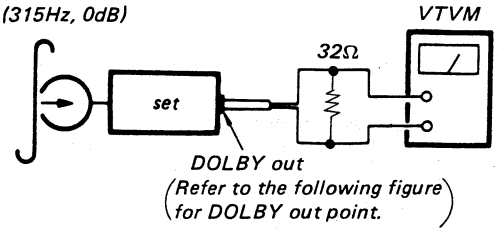
Setting:

VOLUME control: mechanical mid
TAPE SELECT switch: NORM
DOLBY NR/D.O.L switch: OFF

Procedure:

Mode: playback

test tape
P-4-L300
(315Hz, 0dB)



Specification:

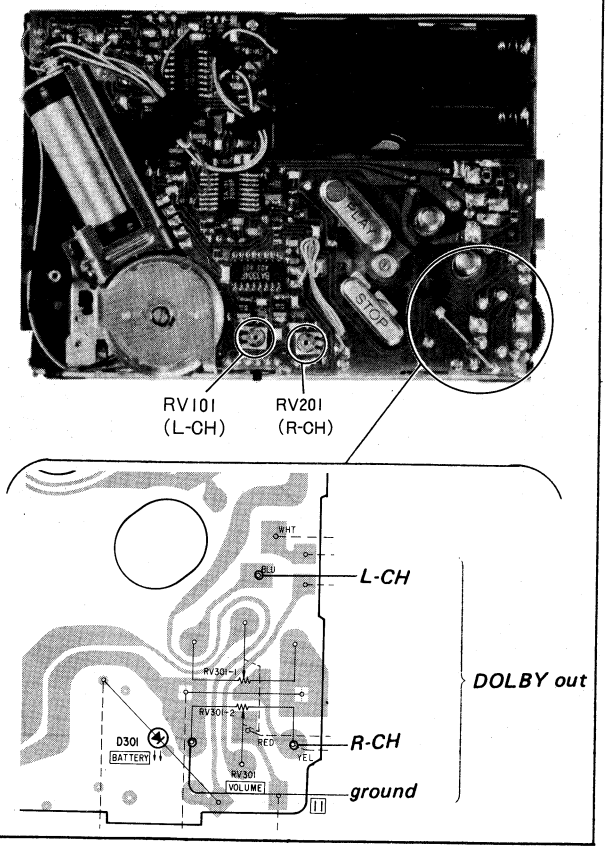
DOLBY out level: 0.032V (−27.7 ±0.5dB)

1) If necessary, adjust RV101 (L-CH) and RV201 (R-CH) for the specification.

2) Confirm that the output level of DOLBY out is not changed when repeating playback and stop.

Adjustment Location:

– main board –



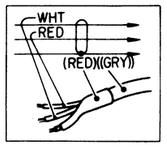
DD-100 DD-100

SECTION 4
DIAGRAMS

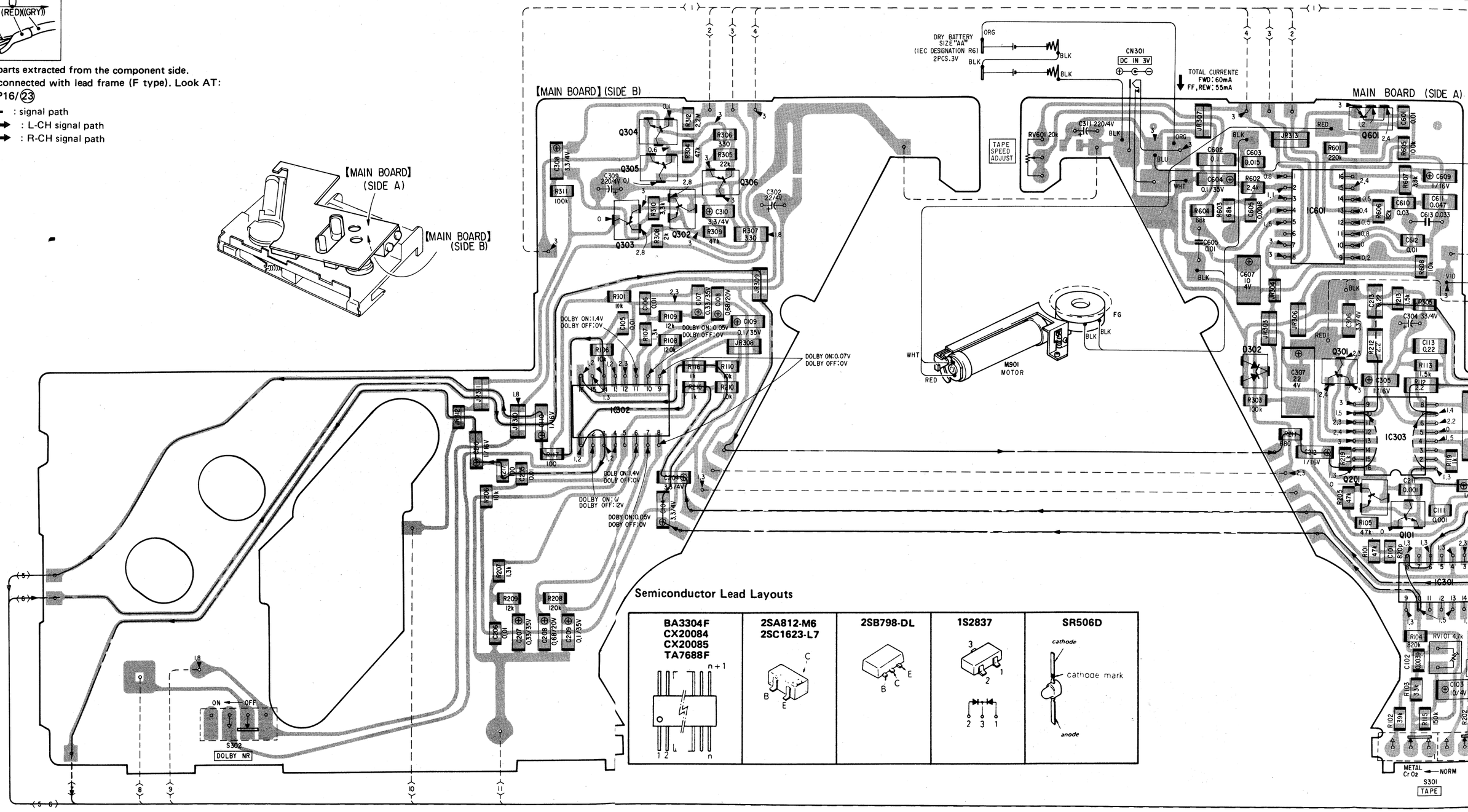
4-1. MOUNTING DIAGRAM

Note:

- Color code of sleeving over the end of the jacket.

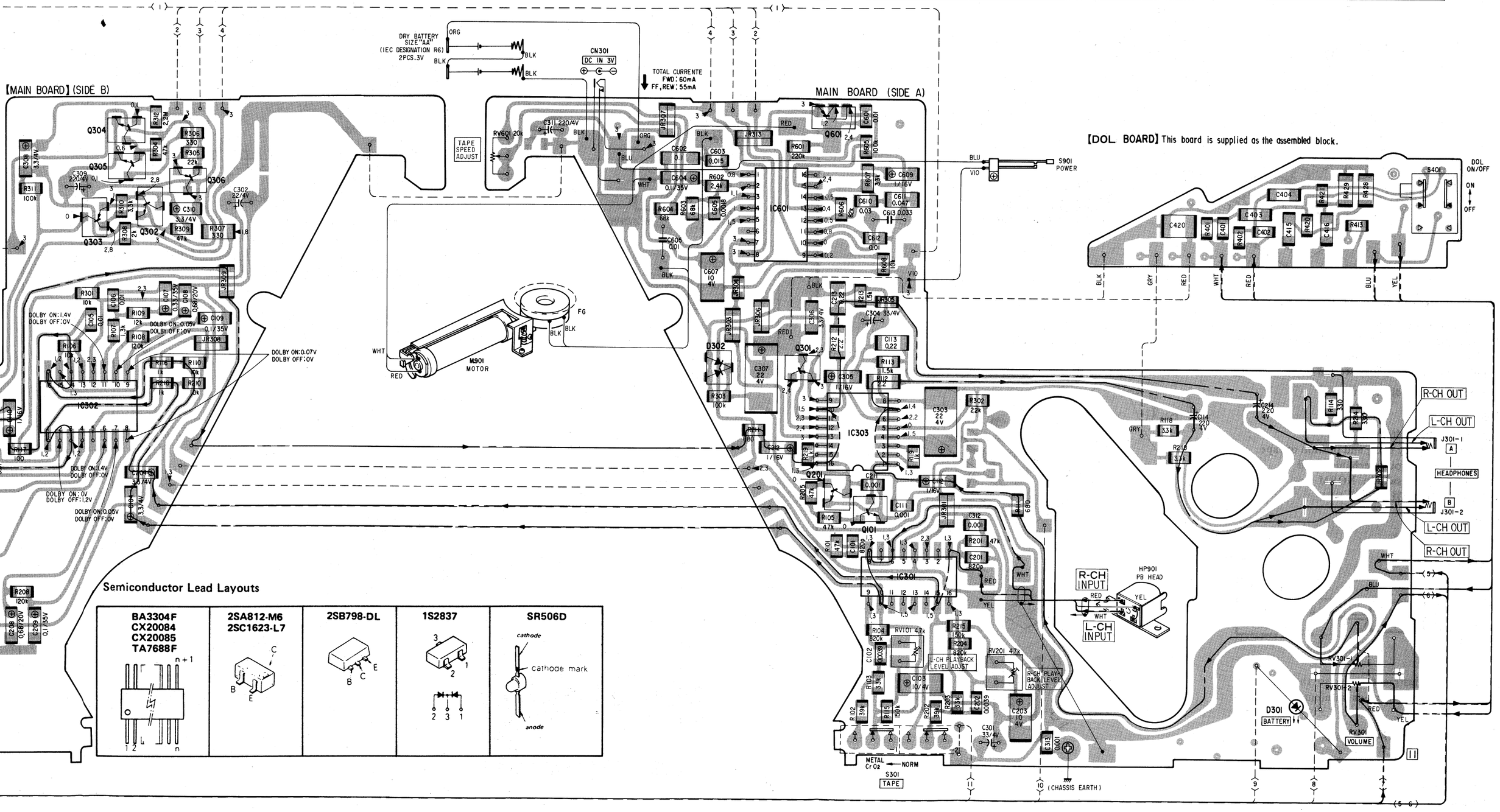


- ○— : parts extracted from the component side.
- ○···○ : connected with lead frame (F type). Look AT: P16/(23)
- ▬▶▬ : signal path
- ▬▶ : L-CH signal path
- ▬·▶ : R-CH signal path



Semiconductor Lead Layouts

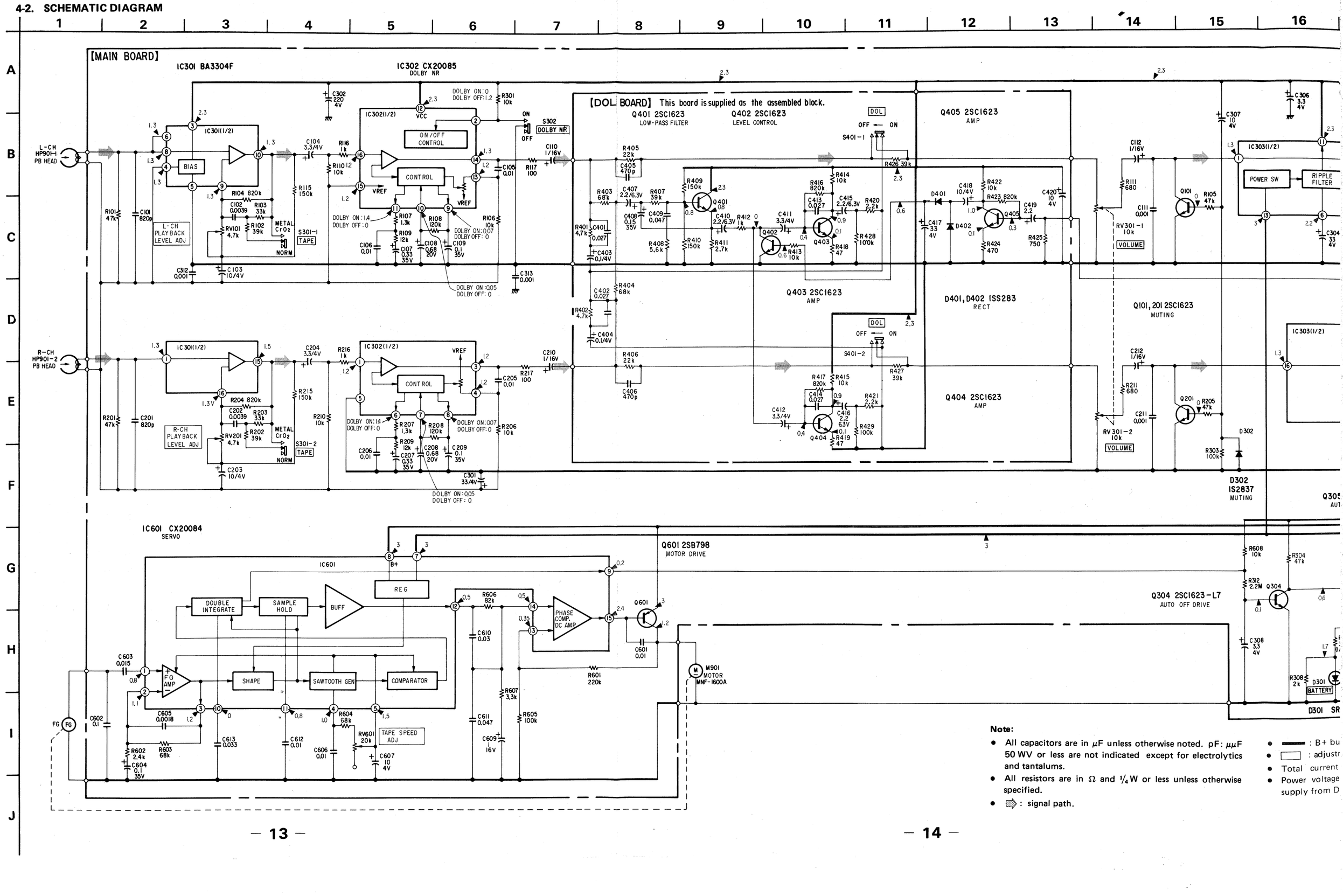
BA3304F CX20084 CX20085 TA7688F	2SA812-M6 2SC1623-L7	2SB798-DL	1S2837	SR506D



Semiconductor Lead Layouts

BA3304F CX20084 CX20085 TA7688F	2SA812-M6 2SC1623-L7	2SB798-DL	1S2837	SR506D

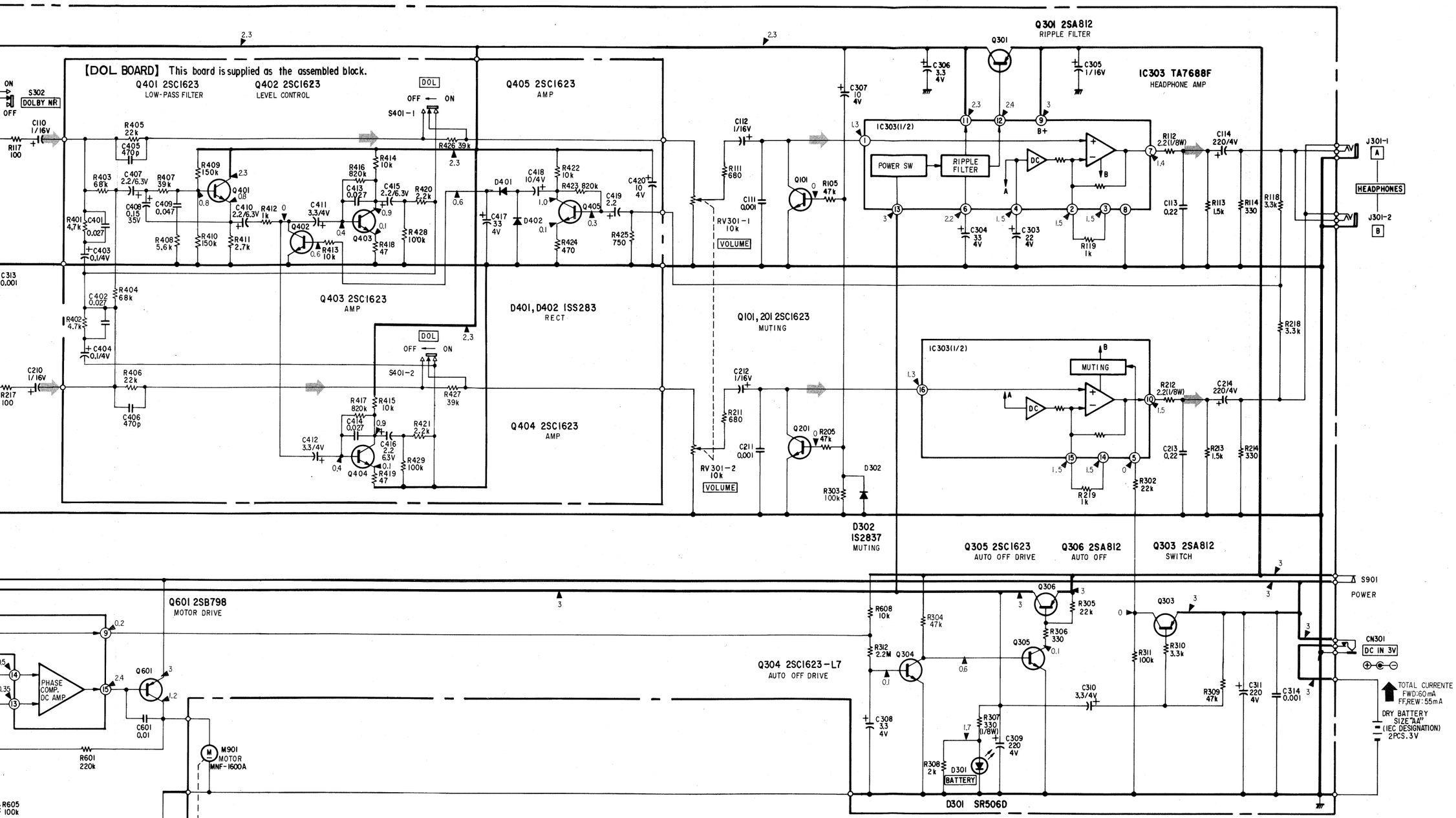
4-2. SCHEMATIC DIAGRAM



Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼ W or less unless otherwise specified.
- ▨: signal path.
- ▬: B+ bu
- □: adjustr
- Total current
- Power voltage supply from D

7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23



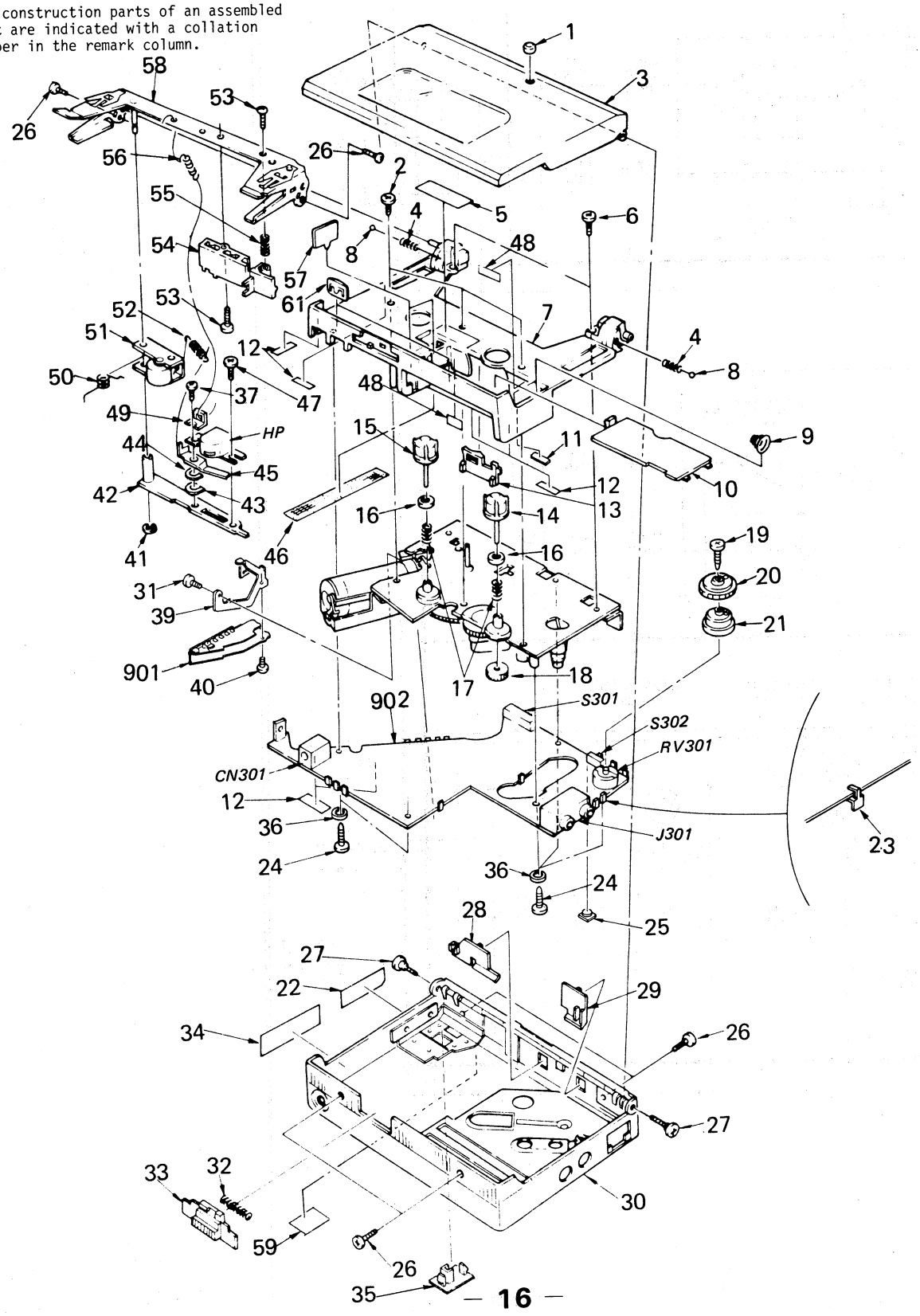
Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼W or less unless otherwise specified.
- ▨: signal path.
- ▬: B+ bus.
- ▭: adjustment for repair.
- Total current is measured with no cassette installed.
- Power voltage is 3V and fed with regulated DC power supply from DC in jack.
- Voltages are dc with respect to ground in PLAY mode.
- Voltage variations may be noted due to normal production tolerances.

SECTION 5
EXPLODED VIEWS

NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked " ★ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The construction parts of an assembled part are indicated with a collation number in the remark column.

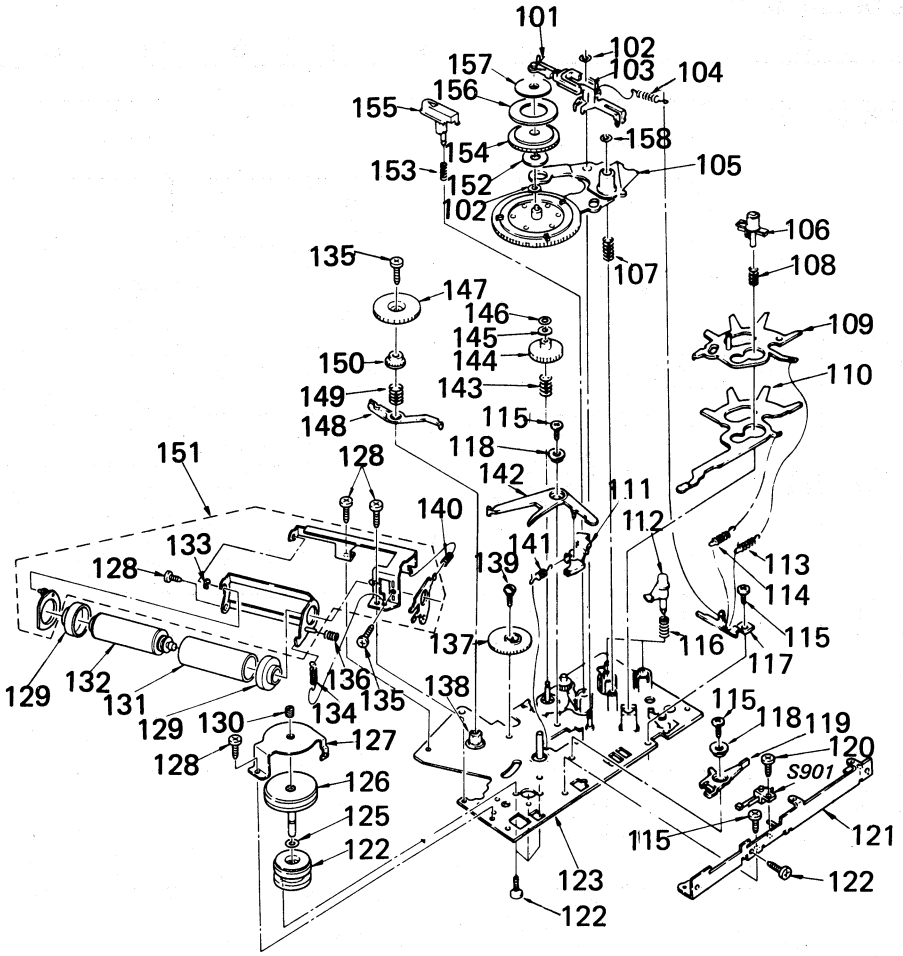


GENERAL PART

No.	Part No.	Description
1	3-578-232-21	ORNAMENT, ADJUSTMENT HOLE
2	7-627-850-48	SCREW +P 1.4×1.6
3	X-3310-946-1	PANEL ASSY, CASSETTE
4	3-578-127-00	SPRING, CONPRESSION
5	3-578-101-00	PLATE, ORNAMENTAL
6	7-627-851-17	SCREW +P 1.4×4.5, TYPE 3
7	X-3310-910-0	CHASSIS ASSY
8	7-671-112-01	STEEL BALL 2MM
9	3-578-236-00	SPRING, BATTERY
10	3-578-115-00	LID, BATTERY
11	3-527-213-00	LABEL, NUNBER
12	3-831-441-XX	SPEACER
13	3-578-114-00	PANEL CHASSIS
14	X-3578-126-0	CLAW ASSY, REEL
15	X-3578-115-0	CLAW ASSY, REEL
16	3-310-958-00	WASHER
17	3-578-123-00	SPRING, COMPRESSION
18	3-578-158-00	GEAR S
19	7-627-552-47	SCREW +P 1.7×4.0, TYPE 1
20	3-318-508-01	KNOB, CONTROL, ORNAMENTAL
21	3-318-507-01	KNOB, CONTROL, INDICATION
22	3-310-997-01	LABEL, MODEL NUNBER
23	*1-535-511-11	FRAME LEAD (F TYPE)
24	7-627-850-57	SCREW +P 1.4×3.5, TYPE 3
25	9-911-838-XX	CUSHION
26	7-627-551-28	SCREW +P 1.4×2.5, TYPE 1
27	3-307-831-00	SCREW PANEL
28	3-310-979-01	BUTTON, SELECTION, TAPE
29	3-310-978-01	BUTTON, SELECTION, NR
30	X-3310-945-1	PANEL ASSY (B), CONTROL
31	7-627-850-79	SCREW +P 1.4×1.8 TYPE 3
32	3-310-947-00	SCREW, COMPRESSION
33	3-310-983-01	BUTTON, LOCK
34	3-318-522-11	LABEL, DOLBY
35	3-310-999-01	KNOB (L)
36	7-623-203-11	SW 1.4, TYPE 1
37	7-627-553-37	SCREW +P 2×3.0, TYPE 1
39	*3-324-401-01	BRACKET
40	7-627-850-18	SCREW +P 1.4×2.5, TYPE 3
41	7-624-102-04	STOP RING 1.5 TYPE E
42	*X-3578-105-0	CHASSIS ASSY, HEAD
43	3-578-138-11	SEAM (T=0.1)
44	3-578-138-01	SEAM (T=0.2)
45	3-578-181-00	SPRING, HEAD
46	9-911-816-01	CLOTH, DRAWER, BATTERY
47	7-627-554-17	SCREW +P 2×3.5, TYPE 1
49	3-310-971-01	HOOK, SPRING
50	3-578-146-00	SPRING
51	X-3578-137-0	PINCH ROLLER ASSY
52	3-578-220-00	SPRING
53	7-627-553-98	SCREW +P 2×8, TYPE 1
54	X-3310-935-1	COVER ASSY, ERASE HEAD
55	3-578-128-00	SPRING, COMPRESSION
56	3-545-588-00	SPRING
57	3-578-109-00	CONTACT
58	X-3310-908-0	HOLDER ASSY
59	3-703-710-01	STICKER, SONY SYMBOL
61	3-578-141-00	SPRING
901	A-3017-149-A	PC BOARD ASSY, DOL
902	A-3015-425-A	PC BOARD ASSY, MAIN

GENERAL PART

No.	Part No.	Description
CN301	1-507-723-00	JACK, EXTENTION POWER (DC IN 3V)
J301	1-507-727-00	JACK, 2P (HEADPHONES)
HP	1-543-337-11	HEAD, PLAYBACK
RV301	1-228-598-00	RES, VAR CARBON 10K/10K (VOLUME)
S301	1-553-280-00	SLIDE SWITCH (METAL/NORMAL TAPE)
S302	1-554-685-00	SLIDE SWITCH (M-N) (DOLBY NR)



MECA

No.	Part No.	Description
101	3-578-130-00	SPRING
102	3-578-224-00	WASHER
103	X-3578-121-0	LEVER ASSY FWD
104	3-310-959-00	SPRING
105	X-3578-142-0	LEVER (A) ASSY DRIVING
106	X-3310-948-0	BOTOM ASSY STOP
107	3-578-199-00	SPRING COMPRESSION
108	3-578-121-00	SPRING COMPRESSION
109	X-3578-114-0	PLATE ASSY LOCK
110	3-310-935-00	LEVER SWITCH
111	3-305-509-00	LEVER (A) SHUT-OFF
112	X-3310-947-0	BOTOM ASSY FR
113	3-578-277-00	SPRING
114	3-561-627-00	SPRING
115	3-578-267-00	SCREW +P1.4×1.6 (3)
116	3-578-278-00	SPRING COMPRESSION
117	*3-578-196-00	HOOK SPRING
118	*3-578-149-00	SHAFT LEVER (A) SHUT-OFF
119	3-578-183-00	LEVER RETURN S
120	7-627-850-18	SCREW +P 1.4×2.5, TYPE 3
121	X-3310-936-1	BRACKET ASSY PANEL
122	7-627-451-87	SCREW +K 1.4×2.2, TYPE 1
123	*X-3310-909-0	CHASSIS ASSY SUB
124	X-3310-907-0	STATOR ASSY
125	3-701-438-01	WASHER
126	X-3310-905-0	ROTOR ASSY
127	3-310-930-00	PLATE THRUST
128	7-627-850-79	SCREW +P 1.4×1.8 TYPE 3
129	3-310-939-00	RUBBER VIBRATION PROOF
130	3-547-625-00	SCREW, THRUST ADJUST

MECA

No.	Part No.	Description
131	3-310-938-00	PLATE SHIELD
132	X-3310-922-1	MOTOR
133	7-624-102-04	STOP RING 1.5 TYPE-E
134	3-310-948-00	SPRING
135	7-627-851-17	SCREW +P 1.4×4.5, TYPE 3
136	3-310-993-01	SPRING COMPRESSION
137	3-578-178-00	GEAR SHUT-OFF
138	3-578-151-00	SHAFT GEAR FWD
139	3-578-214-00	SHAFT GEAR SHUT-OFF
140	3-310-921-00	SPRING COMPRESSION
141	3-578-126-00	SPRING
142	3-578-157-00	LEVER (B) SHUT-OFF
143	3-578-221-00	SPRING COMPRESSION
144	3-578-162-00	GEAR REW
145	3-310-992-01	WASHER
146	3-578-265-00	WASHER
147	3-310-914-00	GEAR FWD
148	3-578-154-00	LEVER DETECTION
149	3-578-124-00	SPRING COMPRESSION
150	3-578-244-01	GEAR FF
151	X-3310-932-1	MOTOR BRAKET
152	3-578-276-11	WASHER
153	3-578-249-00	SPRING COMPRESSION
154	3-310-915-11	GEAR (B) DRIVING
155	X-3310-949-0	BUTTON ASSY PLAY
156	3-310-920-00	PLATE (C) HYSTERESIS
157	3-310-916-00	PLATE (B) HYSTERESIS
158	3-578-224-11	WASHER (T=0.18)
S901	1-553-226-00	SWITCH LEAF (POWER)

SECTION 6
ELECTRICAL PARTS LIST

NOTE:

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuitsin a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:
MF:μF, PF:μμF.

RESISTORS
- All resistors are in ohms.
- F : nonflammable

COILS
- MMH : mH, UH : μH

SEMICONDUCTORS
In each case, U : μ, for example:
UA...: μA..., UPA...: μPA..., UPC...: μPC,
UPD...: μPD...

ELECTRICAL PART

No.	Part No.	Description			
901	A-3017-149-A	PC BOARD ASSY DOL			
902	A-3015-425-A	PC BOARD ASSY, MAIN			
C101	1-163-139-00	CAP CHIP CERAMIC	820PF	10%	50V
C102	1-163-016-00	CAP CHIP CERAMIC	0.0039MF	10%	50V
C103	1-135-104-00	CAP CHIP TANTALUM	10MF	10%	4V
C104	1-135-103-00	CAP CHIP TANTALUM	3.3MF	20%	4V
C105	1-163-021-00	CAP CHIP CERAMIC	0.01MF	5%	50V
C106	1-163-021-00	CAP CHIP CERAMIC	0.01MF	5%	50V
C107	1-135-073-00	CAP CHIP TANTALUM	0.33MF	10%	35V
C108	1-135-087-21	CAP CGIP TANTALUM	0.68MF	10%	20V
C109	1-135-070-00	CAP CHIP TANTALUM	0.1MF	10%	35V
C110	1-135-091-00	CAP CHIP TANTALUM	1MF	20%	16V
C111	1-163-141-00	CAP CHIP CERAMIC	0.001MF	10%	50V
C112	1-135-091-00	CAP CHIP TANTALUM	1MF	20%	16V
C113	1-163-081-00	CAP CHIP CERAMIC	0.22MF		25V
C114	1-123-827-00	CAP ELECT	220MF	20%	4V
C201	1-163-139-00	CAP CHIP CERAMIC	820PF	10%	50V
C202	1-163-016-00	CAP CHIP CERAMIC	0.0039MF	10%	50V
C204	1-135-103-00	CAP CHIP TANTALUM	3.3MF	20%	4V
C205	1-163-021-00	CAP CHIP CERAMIC	0.01MF	5%	50V
C206	1-163-021-00	CAP CHIP CERAMIC	0.01MF	5%	50V
C207	1-135-073-00	CAP CHIP TANTALUM	0.33MF	10%	35V
C208	1-135-087-21	CAP CHIP TANTALUM	0.68MF	10%	20V
C209	1-135-070-00	CAP CHIP TANTALUM	0.1MF	10%	35V
C210	1-135-091-00	CAP CHIP TANTALUM	1MF	20%	16V
C211	1-163-141-00	CAP CHIP CERAMIC	0.001MF	10%	50V
C212	1-135-091-00	CAP CHIP TANTALUM	1MF	20%	16V
C213	1-163-081-00	CAP CHIP CERAMIC	0.22MF		25V
C214	1-123-827-00	CAP ELECT	220MF	20%	4V
C301	1-124-220-00	CAP ELECT	33MF	20%	4V
C302	1-123-827-00	CAP ELECT	220MF	20%	4V
C303	1-135-101-21	CAP CHIP TANTALUM	22MF	20%	4V
C304	1-124-220-00	CAP ELECT	33MF	20%	4V
C305	1-135-091-00	CAP CHIP TANTALUM	1MF	20%	16V
C306	1-135-103-00	CAP CHIP TANTALUM	3.3MF	20%	4V
C307	1-135-104-00	CAP CHIP TANTALUM	10MF	20%	4V
C308	1-135-103-00	CAP CHIP TANTALUM	3.3MF	20%	4V
C309	1-123-827-00	CAP ELECT	220MF	20%	4V
C310	1-135-103-00	CAP CHIP TANTALUM	3.3MF	20%	4V
C311	1-123-827-00	CAP ELECT	220MF	20%	4V
C312	1-163-141-00	CAP CHIP CERAMIC	0.001MF	10%	50V
C313	1-163-141-00	CAP CHIP CERAMIC	0.001MF	10%	50V
C314	1-163-141-00	CAP CHIP CERAMIC	0.001MF	10%	50V
C601	1-163-021-00	CAP CHIP CERAMIC	0.01MF	5%	50V
C602	1-163-077-00	CAP CHIP CERAMIC	0.1MF		50V
C603	1-163-023-00	CAP CHIP CERAMIC	0.015MF	10%	50V
C604	1-135-070-00	CAP CHIP TANTALUM	0.1MF	20%	35V

ELECTRICAL PART

No.	Part No.	Description			
C605	1-163-012-00	CAP CHIP CERAMIC	0.0018MF	10%	50V
C606	1-130-483-00	CAP PE TEREPHTHALATE	0.01MF	5%	50V
C607	1-135-104-00	CAP CHIP TANTALUM	10MF	20%	4V
C609	1-135-091-00	CAP CHIP TANTALUM	1MF	10%	16V
C610	1-163-810-00	CAP CHIP CERAMIC	0.03MF	10%	25V
C611	1-163-075-00	CAP CHIP CERAMIC	0.047MF	10%	25V
C612	1-163-021-00	CAP CHIP CERAMIC	0.01MF	5%	50V
C613	1-130-489-00	CAP PE TEREPHTHALATE	0.033MF	5%	50V
CN301	1-507-723-00	EXT POWER DC IN 3V			
D301	8-719-104-37	DIODE SR506D (BATTERY)			
D302	8-719-100-05	DIODE 1S2837			
HP	1-543-337-11	HEAD PLAYBACK			
IC301	8-759-910-18	IC BA3304F			
IC302	8-759-908-08	IC CX20085			
IC303	8-759-205-43	IC TA7688F-SO			
IC601	8-759-909-45	IC CX20084			
J301	1-507-727-00	JACK 2P (HEADPHONES)			
Q101	8-729-100-67	TRANSISTOR 2SC1623-L7			
Q201	8-729-100-67	TRANSISTOR 2SC1623-L7			
Q301	8-729-106-76	TRANSISTOR 2SA812			
Q303	8-729-106-76	TRANSISTOR 2SA812			
Q304	8-729-100-67	TRANSISTOR 2SC1623-L7			
Q305	8-729-100-67	TRANSISTOR 2SC1623-L7			
Q306	8-729-106-76	TRANSISTOR 2SA812			
Q601	8-729-101-07	TRANSISTOR 2SB798-T2DK			
R101	1-216-089-00	RES CHIP	47K	5%	1/10W
R102	1-216-087-00	RES CHIP	39K	5%	1/10W
R103	1-216-085-00	RES CHIP	33K	5%	1/10W
R104	1-216-119-00	RES CHIP	820K	5%	1/10W
R105	1-216-089-00	RES CHIP	47K	5%	1/10W
R106	1-216-073-00	RES CHIP	10K	5%	1/10W
R107	1-216-052-00	RES CHIP	1.3K	5%	1/10W
R108	1-216-099-00	RES CHIP	120K	5%	1/10W
R109	1-216-075-00	RES CHIP	12K	5%	1/10W
R110	1-216-073-00	RES CHIP	10K	5%	1/10W
R111	1-216-045-00	RES CHIP	680	5%	1/10W
R112	1-216-134-00	RES CHIP	2.2	5%	1/8W
R113	1-216-053-00	RES CHIP	1.5K	5%	1/10W
R114	1-216-037-00	RES CHIP	330	5%	1/10W
R115	1-216-101-00	RES CHIP	150K	5%	1/10W
R116	1-216-049-00	RES CHIP	1K	5%	1/10W
R117	1-216-025-00	RES CHIP	100	5%	1/10W
R118	1-216-061-00	RES CHIP	3.3K	5%	1/10W

ELECTRICAL PART

No.	Part No.	Description			
R119	1-216-049-00	RES CHIP	1K	5%	1/10W
R201	1-216-089-00	RES CHIP	47K	5%	1/10W
R202	1-216-087-00	RES CHIP	39K	5%	1/10W
R203	1-216-085-00	RES CHIP	33K	5%	1/10W
R204	1-216-119-00	RES CHIP	820K	5%	1/10W
R205	1-216-089-00	RES CHIP	47K	5%	1/10W
R206	1-216-073-00	RES CHIP	10K	5%	1/10W
R207	1-216-052-00	RES CHIP	1.3K	5%	1/10W
R208	1-216-099-00	RES CHIP	120K	5%	1/10W
R209	1-216-075-00	RES CHIP	12K	5%	1/10W
R210	1-216-073-00	RES CHIP	10K	5%	1/10W
R211	1-216-045-00	RES CHIP	680	5%	1/10W
R212	1-216-134-00	RES CHIP	2.2	5%	1/8W
R213	1-216-053-00	RES CHIP	1.5K	5%	1/10W
R214	1-216-037-00	RES CHIP	330	5%	1/10W
R215	1-216-101-00	RES CHIP	150K	5%	1/10W
R216	1-216-049-00	RES CHIP	1K	5%	1/10W
R217	1-216-025-00	RES CHIP	100	5%	1/10W
R218	1-216-061-00	RES CHIP	3.3K	5%	1/10W
R219	1-216-049-00	RES CHIP	1K	5%	1/10W
R301	1-216-073-00	RES CHIP	10K	5%	1/10W
R302	1-216-081-00	RES CHIP	22K	5%	1/10W
R303	1-216-097-00	RES CHIP	100K	5%	1/10W
R304	1-216-089-00	RES CHIP	47K	5%	1/10W
R305	1-216-081-00	RES CHIP	22K	5%	1/10W
R306	1-216-037-00	RES CHIP	330	5%	1/10W
R307	1-216-186-00	RES CHIP	330	5%	1/8W
R308	1-216-056-00	RES CHIP	2K	5%	1/10W
R309	1-216-089-00	RES CHIP	47K	5%	1/10W
R310	1-216-061-00	RES CHIP	3.3K	5%	1/10W
R311	1-216-097-00	RES CHIP	100K	5%	1/10W
R312	1-216-129-00	RES CHIP	2.2M	5%	1/10W
R401	1-216-065-00	RES CHIP	4.7K	5%	1/10W
R402	1-216-065-00	RES CHIP	4.7K	5%	1/10W
R403	1-216-093-00	RES CHIP	68K	5%	1/10W
R404	1-216-093-00	RES CHIF	68K	5%	1/10W
R405	1-216-081-00	RES CHIP	22K	5%	1/10W
R406	1-216-081-00	RES CHIP	22K	5%	1/10W
R407	1-216-087-00	RES CHIP	39K	5%	1/10W
R408	1-216-067-00	RES CHIP	5.6K	5%	1/10W
R409	1-216-101-00	RES CHIP	150K	5%	1/10W
R410	1-216-101-00	RES CHIP	150K	5%	1/10W
R411	1-216-059-00	RES CHIP	2.7K	5%	1/10W
R412	1-216-049-00	RES CHIP	1K	5%	1/10W
R413	1-216-073-00	RES CHIP	10K	5%	1/10W
R414	1-216-073-00	RES CHIP	10K	5%	1/10W
R415	1-216-073-00	RES CHIP	10K	5%	1/10W
R416	1-216-119-00	RES CHIP	820K	5%	1/10W

ELECTRICAL PART

No.	Part No.	Description			
R417	1-216-119-00	RES CHIP	820K	5%	1/10W
R418	1-216-017-00	RES CHIP	47	5%	1/10W
R419	1-216-017-00	RES CHIP	47	5%	1/10W
R420	1-216-057-00	RES CHIP	2.2K	5%	1/10W
R421	1-216-057-00	RES CHIP	2.2K	5%	1/10W
R422	1-216-073-00	RES CHIP	10K	5%	1/10W
R423	1-216-119-00	RES CHIP	820K	5%	1/10W
R424	1-216-041-00	RES CHIP	470	5%	1/10W
R425	1-216-046-00	RES CHIP	750	5%	1/10W
R426	1-216-087-00	RES CHIP	39K	5%	1/10W
R427	1-216-087-00	RES CHIP	39K	5%	1/10W
R428	1-216-246-00	RES CHIP	100K	5%	1/8W
R429	1-216-246-00	RES CHIP	100K	5%	1/8W
R601	1-216-105-00	RES CHIP	220K	5%	1/10W
R602	1-216-058-00	RES CHIP	2.4K	5%	1/10W
R603	1-216-093-00	RES CHIP	68K	5%	1/10W
R604	1-216-093-00	RES CHIP	68K	5%	1/10W
R605	1-216-097-00	RES CHIP	100K	5%	1/10W
R606	1-216-095-00	RES CHIP	82K	5%	1/10W
R607	1-216-061-00	RES CHIP	3.3K	5%	1/10W
R608	1-216-073-00	RES CHIP	10K	5%	1/10W
RV101	1-230-602-11	RES ADJ METAL GLAZE 4.7K			
RV201	1-230-602-11	RES ADJ METAL GLAZE 4.7K			
RV301	1-228-598-00	RES VAR CARBON (VD LUM)			
RV601	1-230-901-11	RES ADJ METAL GLAZE 20K			
S301	1-553-280-00	SLIDE SWITCH (METAL/NORMAL TAPE)			
S302	1-554-585-00	SLIDE SWITCH (M-N) (DOLBY NR)			
S901	1-553-226-00	LEAF SWITCH (POWER)			

ACCESSORY & PACKING MATERIAL

Part No.	Description
3-324-402-01	(US, Canadian)..... CASE, CARRYING
3-324-402-02	(AEP)..... CASE, CARRYING
3-324-405-01	CUSHION (A)
3-324-406-01	CUSHION (B)
3-324-409-01	INDIVIDUAL CARTON (BODY)
*3-324-415-01	CUSHION
3-324-416-01	PLATE, ORNAMENTAL
X-3310-027-1	BELT ASSY, SHOULDER
3-324-417-01	(US)..... INDIVIDUAL CARTON (LID)
3-324-418-01	(AEP, UK, Canadian). INDIVIDUAL CARTON (LID)
3-701-622-01	(US, Canadian)..... BAG, POLYETHYLENE
3-765-305-11	(AEP, UK)..... MANUAL, INSTRUCTION
3-765-305-21	(US, Canadian)..... MANUAL, INSTRUCTION
3-765-305-31	(Canadian)..... MANUAL, INSTRUCTION
3-765-305-41	(AEP)..... MANUAL, INSTRUCTION
3-795-748-21	(US)..... SAFETY INSTRUCTION, HEADPHONE
8-952-297-91	HEADPHONE DR-S100L

DOL Board is supplied as the assembled block.

Sony Corporation

English
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